

ILLEGIB

Approved For Release 2001/03/30 : CIA-RDP78T05439A000300270090-4

Approved For Release 2001/03/30 : CIA-RDP78T05439A000300270090-4

~~SECRET~~
~~NO FOREIGN DISSEM~~

YU-TSUI AND TZU-PING-PU
HYDRO-ELECTRIC POWER PLANTS

~~SECRET~~
~~NO FOREIGN DISSEM~~

Declassification review by NIMA/DOD

C

SECRET NOFORN EYES

IB - 132-64
27 March 1964
Copy No. 1

MEMORANDUM FOR: Chief, Resources Division, ORR

25X1A

ATTENTION :

THROUGH :

FROM :

SUBJECT :

REFERENCES :

- [REDACTED]
- Chief, Requirements Branch, Reconnaissance Group, CGS
- Chief, CIA/PID (NPIC)
- Yu-tsui and Tzu-ping-pu Hydro Electric Power Plants,
Communist China
- (1) ORR Requirement 41-63 (revised)
(2) CIA/PID Project No. 763/63 (Yu-tsui)
(3) CIA/PID Project No. 762/63 (Tzu-ping-pu)

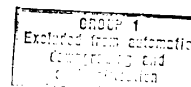
1. This memorandum is in response to the above referenced requirement which concerns electric power plants in Communist China. Included within this memorandum is information pertaining to two of these power plants; one is the Yu-tsui Hydro-electric Power Plant, and the other is the reported Tzu-ping-pu Hydro-electric Power Plant.

2. A search was conducted of all available photography of these locations in an effort to provide the necessary identification, location and analysis for these power plants. Sufficient photography was available to enable a chronological study of the Yu-tsui Hydro-electric Power Plant. Unfavorable photography precluded a detailed study of the Tzu-ping-pu Hydro-electric Power Plant.

3. The reported Tzu-ping-pu Hydro-electric Power Plant could not be confirmed nor negated at this time because of the lack of good readable photography over the reported location. The photo-missions covering the site from a near-vertical position, revealed dense cloud cover which precluded interpretation. The available good quality, cloud-free photography of this location was rendered useless because of the high obliquity combined with the high mountainous terrain surrounding the site. As a result the reported location was completely masked from view. From all evidence concerning the location of the Tzu-ping-pu site, the coordinates given in the referenced requirement are incorrect. The location is reported to be on the Min River between Mou-Hsien and Kuan-Hsien and the coordinates are probably closer to 31 30N - 103 30E instead of 31 00N - 103 37E.

S-12232

SECRET NOFORN EYES



SECRET NOFORN DISSEM

4. The Yu-tsui Hydro-electric Power Plant located on the Min River approximately 1nm northwest of Kuan-Hsien at coordinates 31 00N - 103 36E. The hydro-electric power plant is only part of a larger multi-purpose project underway on the Min River at this point. Other activity includes: flood control, irrigation, and probable river navigation projects. The over-all operation appears to be in mid-to-final stages of construction and none of the above mentioned projects appeared to be in operation at the time of the photography.

The hydro-electric power plant did not appear to show any significant change in the period covered by the comparative photography enclosed herein. Although the plant appears to be complete, construction work is still underway on the generator hall, gate section, and on the approaches to the gate section. The plant probably has not been put into operation as yet, because the coffer dams have not been broken and there are no substations or power transmission lines tied-in to the plant. Once the facilities are complete to handle the power produced, the hydro-electric portion of this project appears to be the capability of at least partial operation. The steep gradient and steady flow of the stream would permit the plant to operate as a run-of-the river plant without the need of a reservoir.

The earthen dam, probably rock-filled, is connected to a river terrace or escarpment on the right bank of the river and a gate section near the center of the river flood plain. This section is also incomplete, construction work on the upper surface is evident on the comparative photography. A connecting dam will probably be constructed across the river from this point to the hydro-electric plant. Construction work is underway on the spillway and the areas being filled below the gate section.

There is a canal under construction along the base of the hills on the right side of the river. This could be either a temporary measure to allow further construction on the mid-section of the complex, or perhaps intended for later use for river navigation.

5. The photo analyst assigned to this project was [REDACTED] who may be contacted on extension 2607 should you have further questions regarding this project. This memorandum completes this requirement.

25X1A

[REDACTED]
25X1A

Enclosures:

- 1 Annotated Map (CIA/PID/IB-P 485/64)
- 3 Annotated Photo Enlargements
(CIA/PID/IB-P 486/64 thru P 488/64)

SECRET NOFORN DISSEM

SECRET
O FOREIGN DISSEM

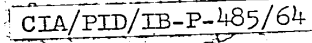
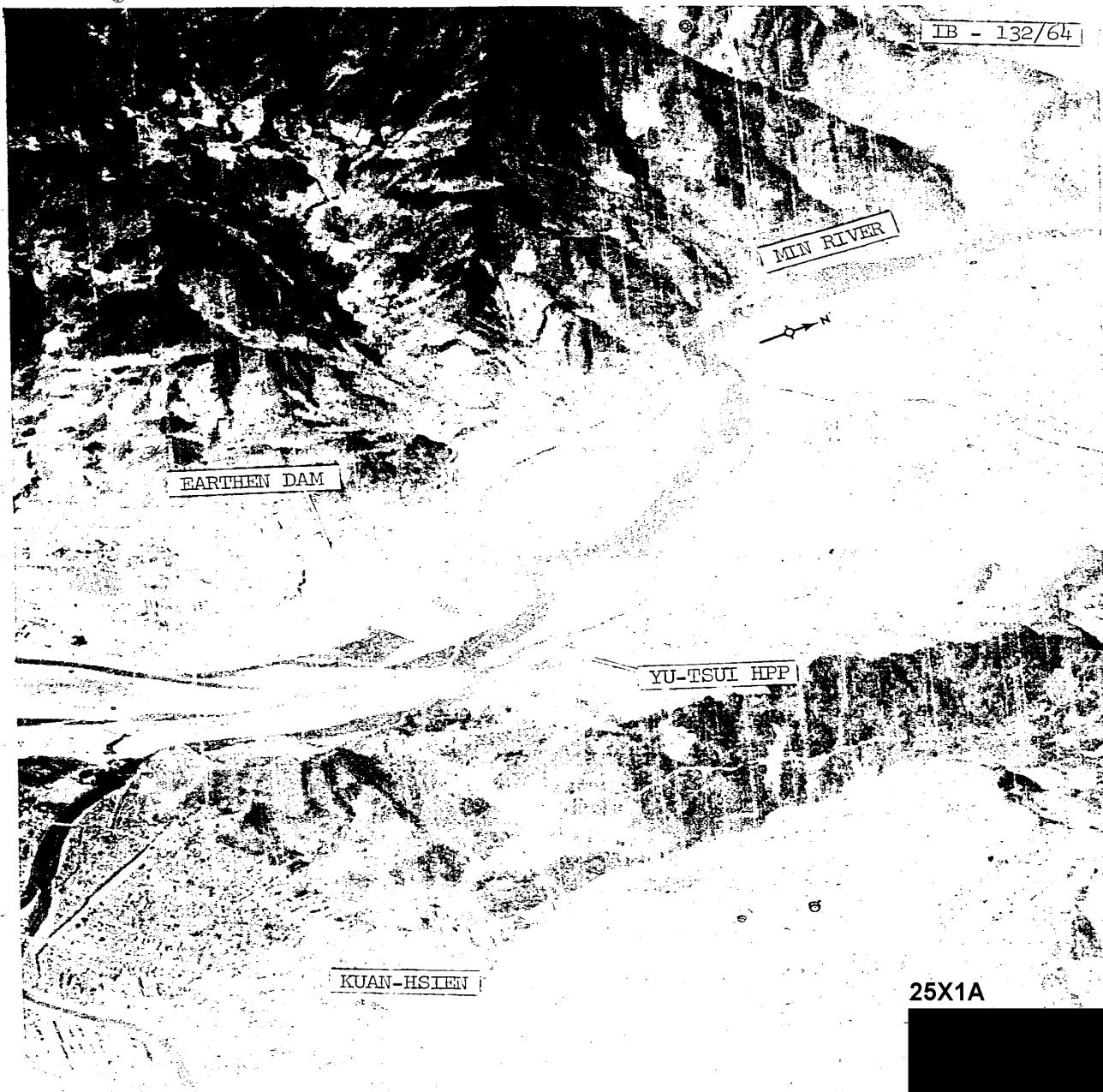


FIGURE 1 LOCATOR MAP

SECRET
NO FOREIGN DISSEM

SECRET
NO FOREIGN DISSEM



25X1A

CIA/PID/IB-P-487/64

FIGURE 2 YU-TSUI HYDRO ELECTRIC POWER PLANT

SECRET
NO FOREIGN DISSEM

SECRET
NO FOREIGN DISSEM



FIGURE 3 YU-TSUI HYDRO ELECTRIC POWER PLANT

SECRET
NO FOREIGN DISSEM

25X1D

25X1A

SECRET
NO FOREIGN DISSEM

IB - 132/64

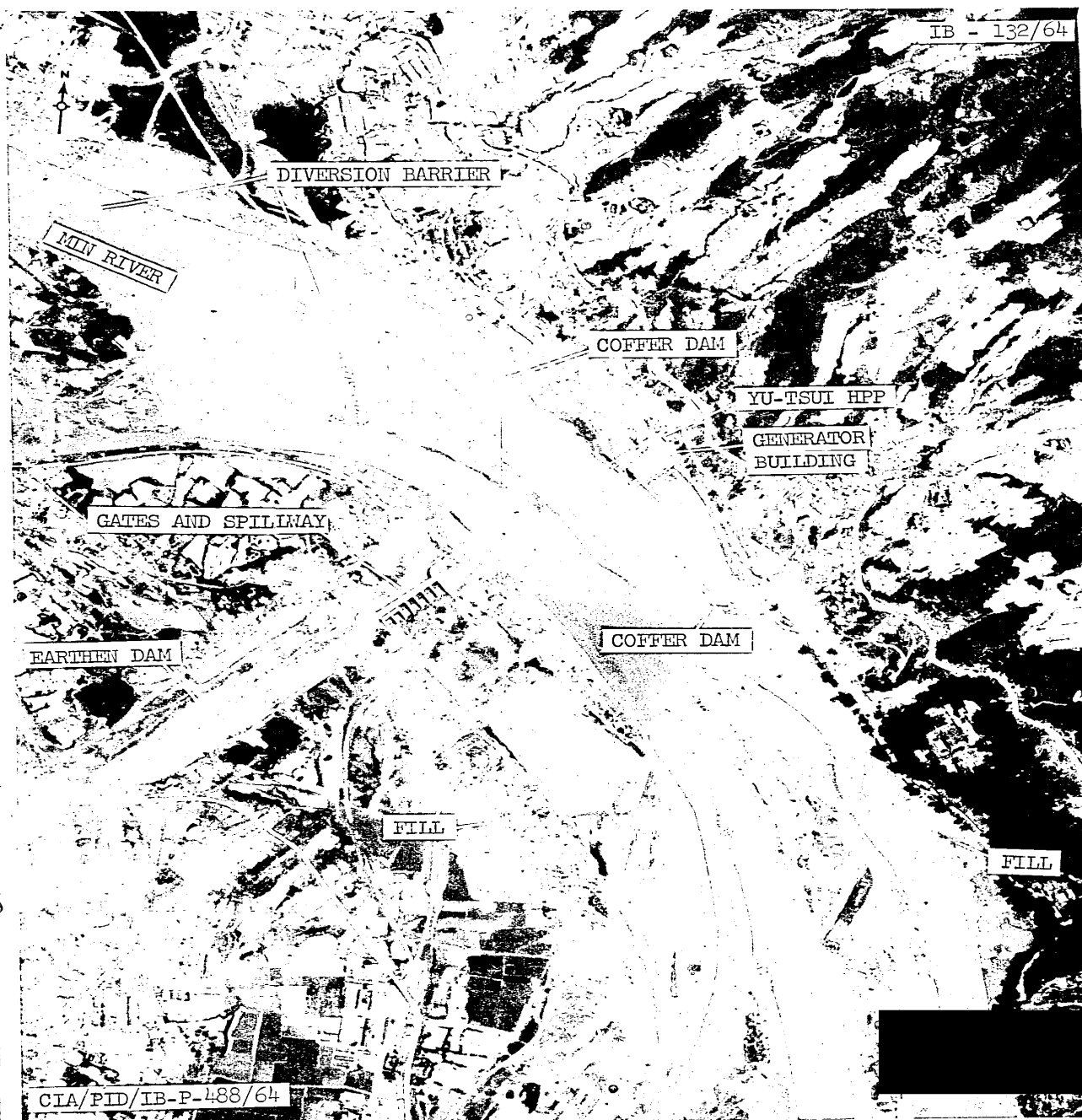


FIGURE 4 YU-TSUI HYDRO ELECTRIC POWER PLANT

SECRET
NO FOREIGN DISSEM

25X1D